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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Attorney Docket No.: SYM 112 CON (TI-0035)
Inventors: Pei et al.
Serial No.: 10/667,069
Filing Date: September 18, 2003
Examiner: Not yet assigned
Group Art Unit: 1614
Title: Sulfur Containing Dihydrophthalazine
Antagonists of Excitatory Amino Acid
Receptors

Certificate of Facsimile Transmission

I hereby certify that this paper is being facsimile
transmitted to the Patent and Trademark Office on
the date shown below.

On March 2, 2004

Kathleen A. Tyrrell
Kathleen A. Tyrrell, Registration No. 38,350

Assistant Commissioner for Patents
Washington, DC 20231

CERTIFICATE UNDER 37 CFR 3.73(b)

Transgenomic, Inc., a corporation, certifies that it is the
assignee of the entire right, title and interest in the patent
application identified above by virtue of an assignment from
Annovis, Inc. provided herewith. Assignment by the inventors to
Annovis, Inc. was recorded in the Patent and Trademark Office on
July 27, 2001 at Reel 012028, Frame 0912.

The undersigned has reviewed all the documents in the chain
of title of the patent application identified above and, to the
best of the undersigned's knowledge and belief, title is in the
assignee identified above.

The undersigned (whose title is supplied below) is empowered
to sign this certificate on behalf of the assignee.

I hereby declare that all statements made herein of my own belief are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements and the

like so made are punishable by fine or imprisonment or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Mitchell L. Murphy
Signature

25 FEB 04
Date

MITCHELL L. MURPHY
Typed or printed name

VP, SECRETARY & TREASURER
Title

Attorney Docket No.: SYM 112 CON (TI-0035)

A S S I G N M E N T

WHEREAS, Annovis, Inc., hereinafter referred to as the assignor, having a place of business at 34 Mt. Pleasant Drive, Aston, Pennsylvania 19014, is the assignee of certain rights of certain inventions or improvements for an application for Letters Patent of the United States, identified as Serial No. 10/667,069, filed September 18, 2003, entitled Sulfur Containing Dihydropthalazine Antagonists of Excitatory Amino Acid Receptors; and assigned to Annovis, Inc. in an Assignment recorded July 27, 2001 at Reel 012028, Frame 0912; and

WHEREAS, Transgenomic, Inc., hereinafter referred to as the assignee, of Omaha, Nebraska, a corporation of Delaware, is desirous of acquiring the entire right, title and interest in and to the said inventions or improvements and in and to the said application, and in, to and under any and all Letters Patents which may be granted on or as a result thereof in any and all countries; and

NOW, THEREFORE, for and in consideration of the sum of One Dollar (\$1.00) paid by said assignee, and other good and valuable consideration, the receipt of which is hereby acknowledged, the said assignor, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, to said assignee, the entire right, title and interest in and to said inventions or improvements and said application and any and all continuations, divisions and renewals of and substitutes for said application or any other application based in whole or in part thereon, and in to and under any and all Letters Patent which may be granted on or as a result thereof in the United States and

any and all other countries, and any re-issue or re-issues or extension or extensions of said Letters Patent, and assign to and authorize said assignee to file in assignor's name applications for Letters Patent in all countries, the same to be held and enjoyed by said assignee, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by assignor had this assignment, sale and transfer not been made.

AND hereby covenants that assignor has full right to convey the entire interest herein assigned, and has not executed and will not execute any agreement in conflict herewith, and further covenants and agrees that each time request is made and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said inventions or improvements, said application and said Letters Patent to said assignee, its successors, assigns, nominees or legal representatives, and agrees to communicate to said assignee, or to its nominee all known facts respecting said inventions or improvements, said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisional, continuing, reissue and foreign applications, to make all rightful oaths, and generally to do everything possible to aid said assignee, its successors, assigns, nominees and legal representatives to obtain and enforce for its or their own benefit proper patent protection for said inventions or improvements in any and all countries.

AND hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents of applications as aforesaid, to issue to said assignee, as assignee of the entire right, title and interest, any and all Letters Patent for said inventions or improvements, including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

IN WITNESS WHEREOF, assignor has hereunto set its seal.

Mitchell L. Murphy (L.S.)
Authorized Official of
Annovis, Inc.
Title: SECRETARY & TREASURER

WITNESSED BY: _____

Date: _____

Please Print

Name: _____

Address: _____

WITNESSED

BY: _____

Date: _____

Please Print

Name: _____

Address: _____

WITNESSED

BY: _____

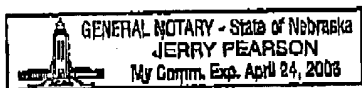
Date: _____

_____:

SS

_____:

On this 25 day of February, 2004, before me
personally came the above named Mitchell L. Murphy
_____ to me personally
known and known to me to be the same individual who executed the
foregoing assignment, and who acknowledged to me that execution of
the same was of that person's own free will for the use and
purposes therein set forth.



Jerry Pearson
Notary Public